

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

455 12TH STREET, S.W.

WASHINGTON, D.C. 20554

News media information 202/418-0500 Fax-On-Demand 202/418-2830

Released: September 2, 2009

Report No. 423 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 6/1/09 to 7/1/09:

- **WE2XXR THE BOEING COMPANY 0018-EX-PL-2009**
New experimental to operate in 108 – 137 MHz, 329 – 335 MHz, 962 – 1215 MHz, 1530 – 1610 MHz, 4200 – 4400 MHz and 5030 – 5090 MHz for testing the radiated field effects of PEDs on aircraft electronic components and systems.
Fixed: Marana, AZ
- **WF2XAU ROY P CROSTON 0060-EX-PL-2009**
New experimental to operate in 135.70 – 136 MHz and 505 – 510 kHz for antenna testing.
Fixed: Orlando (Orange), FL
- **WE2XTF LOCKHEED MARTIN CORPORATION 0283-EX-PL-2008**
New experimental to operate on 254 MHz, 258 MHz, 262 MHz, 379.65 MHz, 379.65 MHz and 384 MHz for identifying and geo-locating low power and high ground based signals.
Fixed & Mobile: Buckeye and Goodyear, AZ
- **WE2XZE DETERMINISTIC TIME SOLUTIONS, INC. 0039-EX-PL-2009**
New experimental to operate in 420 – 494 MHz, 728 – 768 MHz, 869 – 894 MHz, 925 – 960 MHz, 1805 – 1880 MHz, 1850 – 1880 MHz, 1930 – 1990 MHz, 2110 – 2170 MHz and 2620 – 2690 MHz to validate proper operation of the software applications before introduction to customers
Mobile: San Ramon (Contra Costa), CA
- **WF2XAZ SAVI TECHNOLOGY, INCORPORATED 0193-EX-PL-2009**
New experimental to operate on 433 MHz to design, research, manufacture and sell Radio Frequency Identification products (RFID) for use in maritime logistics or asset tracking purposes for commercial and military use.
Fixed: Mountain View (Santa Clara), CA
- **WF2XAO THE BOEING COMPANY 0180-EX-PL-2009**
New experimental to operate in 824 – 849 MHz, 880 – 915 MHz, 1850 – 1910 MHz for testing of a ground cellular system on board commercial aircraft.
Mobile: Glasgow, MT; Klamath Falls, OR; International Airspace
- **WE2XYO L-3 SERVICES 0052-EX-PL-2009**
New experimental to operate in 902 – 928 MHz to test and evaluation of command and control of Unmanned Aerial Vehicle.
Mobile: Lexington Park (St. Marys), MD; Blackstone (Nottoway), VA; Las Cruces (Dona Ana), NM

- **WF2XAL THE BOEING COMPANY 0177-EX-PL-2009**
 New experimental to operate on various frequencies between 902 MHz and 2495 MHz for testing and demonstration of Unmanned Aerial Vehicle systems.
 Mobile: Boardman, OR; Fort Leonard Wood, MO; Eglin AFB, FL; China Lake, CA; Berkeley, MO; St. Charles, MO; Vandalia, IL; Seattle, WA
- **WE2XZZ ELSTER ELECTRICITY, LLC 0142-EX-PL-2009**
 New experimental to operate in 902.8-927.6 MHz and 2405-2480 MHz for testing smart utility meter reading devices with over-the-air protocols.
 Mobile: Walden Woods, a Walden Creek subdivision of Apex, NC, bounded on the east y Hwy 55 and on the south by Hwy 64
- **WE2XZU SENSIS CORPORATION 0072-EX-PL-2009**
 New experimental to operate on 978 MHz, 1030 MHz and 1090 MHz for test, development, and demonstration of aeronautical radar.
 Mobile: East Syracuse (Onondaga), NY
- **WE2XZM ARTEMIS, INC. 0046-EX-PL-2009**
 New experimental to operate on 1257.5 MHz for testing SAR radar.
 Mobile: areas surrounding Brigham City, UT and Spanish Fork, UT
- **WF2XAS DELPHI AUTOMOTIVE SYSTEMS LLC 0127-EX-PL-2009**
 New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Kokomo (Howard), IN
- **WF2XAQ PLEXUS SERVICES CORP. 0166-EX-PL-2009**
 New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Neenah (Winnebago), WI
- **WF2XBB MOTOROLA, INC. 0204-EX-PL-2009**
 New experimental to operate in 2500-2655 MHz to test and demonstrate prototype devices under development for operation.
 Fixed & Mobile: Schaumburg, Arlington Heights and Palatine, IL
- **WF2XAC POWERWAVE TECHNOLOGIES INC 0153-EX-PL-2009**
 New experimental to operate in 2541.5-2561.5 MHz and 2630.5-2650.5 MHz for testing WiMax mobile user handover and coverage operability in a network configuration using.
 Mobile: Santa Anna (Orange), CA
- **WF2XBA TELCORDIA TECHNOLOGIES, INC. 0189-EX-PL-2009**
 New experimental to operate in 3400-3600 MHz for testing WiMAX equipment for export only.
 Fixed & Mobile: Piscataway (Middlesex), NJ
- **WF2XAW RAYTHEON NETWORK CENTRIC SYSTEMS 0197-EX-PL-2009**
 New experimental to operate in 5350-5500 MHz and 10300-10500 MHz to design, test and demonstrate the capabilities of a border protection security system.
 Fixed & Mobile: McKinney (Collin), TX
- **WF2XAV CATERPILLAR OF DELAWARE, INC. 0165-EX-PL-2009**
 New experimental to operate in 5850 - 5925 MHz for testing and development of equipment in the Dedicated Short Range Communications Services (“DSRC”).
 Mobile: Peoria and Mossville (Peoria), IL; Green Valley (Pima), AZ;
- **WE2XZS UNIVERSITY OF PUERTO RICO AT MAYAGUEZ 0132-EX-PL-2009**
 New experimental to operate on 9410 MHz for testing a lower tropospheric weather radar to study rainfall.
 Fixed: Mayaguez, PR

- **WF2XAF UNIVERSITY OF PUERTO RICO AT MAYAGUEZ 0155-EX-PL-2009**
New experimental to operate on 9410 MHz for testing a lower tropospheric weather radar to study rainfall.
Fixed: Isabela, PR
- **WF2XAG UNIVERSITY OF PUERTO RICO AT MAYAGUEZ 0156-EX-PL-2009**
New experimental to operate on 9410 MHz for testing a lower tropospheric weather radar to study rainfall.
Fixed: Lajas, PR
- **WF2XAH UNIVERSITY OF PUERTO RICO AT MAYAGUEZ 0163-EX-PL-2009**
New experimental to operate on 9410 MHz for testing a lower tropospheric weather radar to study rainfall.
Fixed: Cabo Rojo, PR
- **WF2XAT MUSTANG TECHNOLOGY GROUP 0097-EX-PL-2009**
New experimental to operate in 34.5-35.5 GHz to test radar equipment.
Mobile: Van Alstyne, TX